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PATENT & TRADEMARK OFFICE
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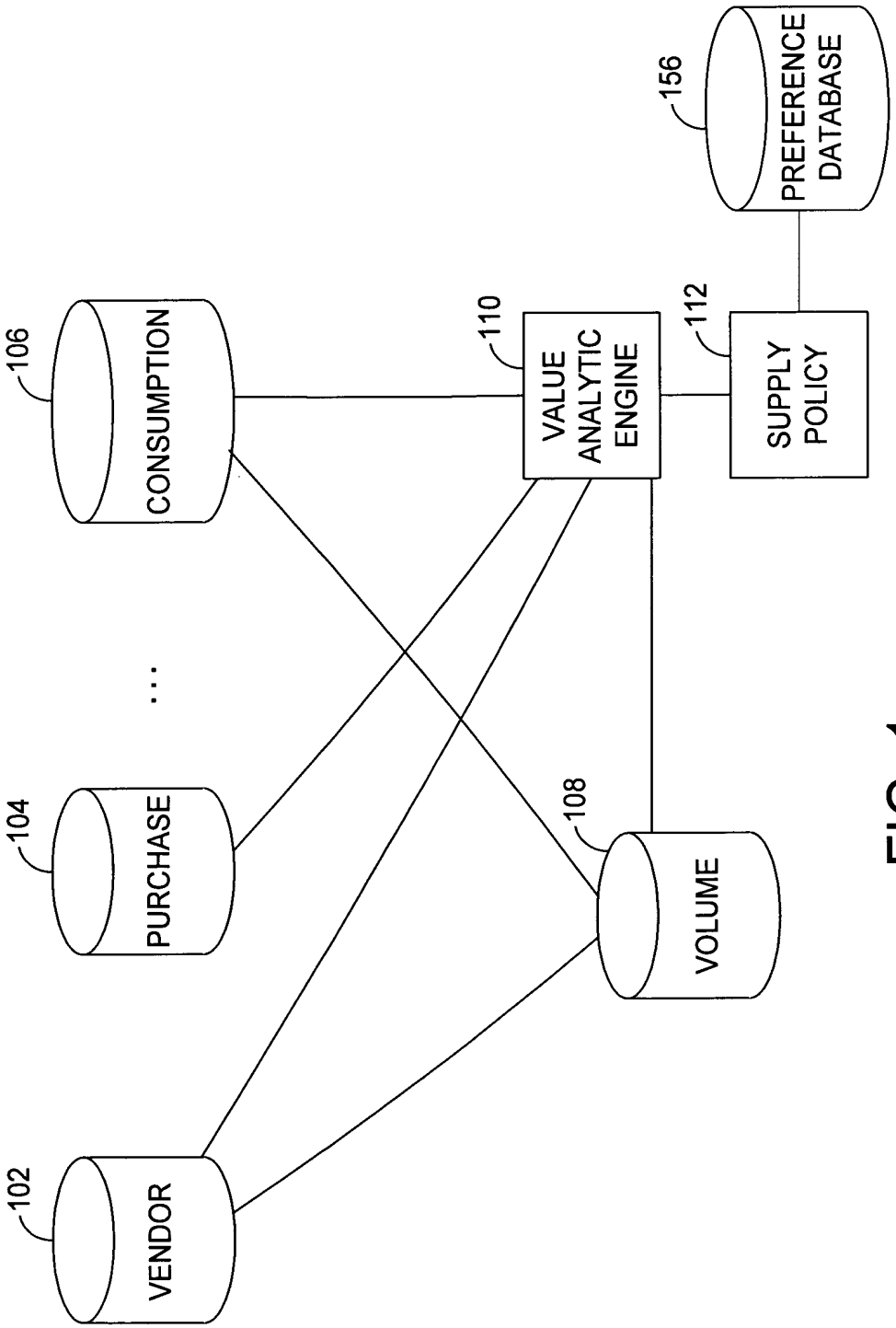

FIG. 1

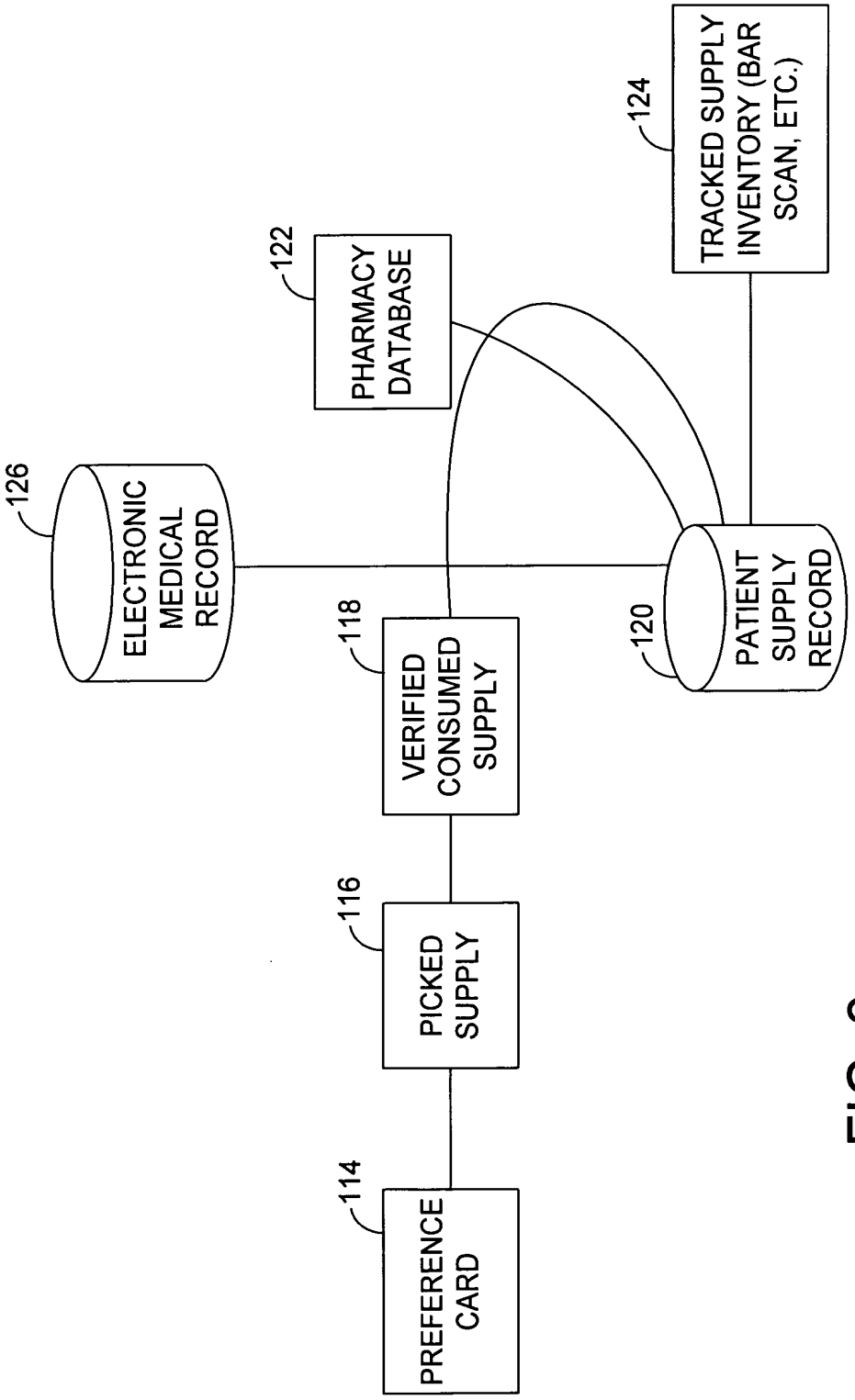
TRACKED SUPPLY INVENTORY (BAR SCAN, ETC.)
124
PHARMACY DATABASE
122
ELECTRONIC MEDICAL RECORD
126
PATIENT SUPPLY RECORD
120
VERIFIED CONSUMED SUPPLY
118
PICKED SUPPLY
116
PREFERENCE CARD
114

FIG. 2

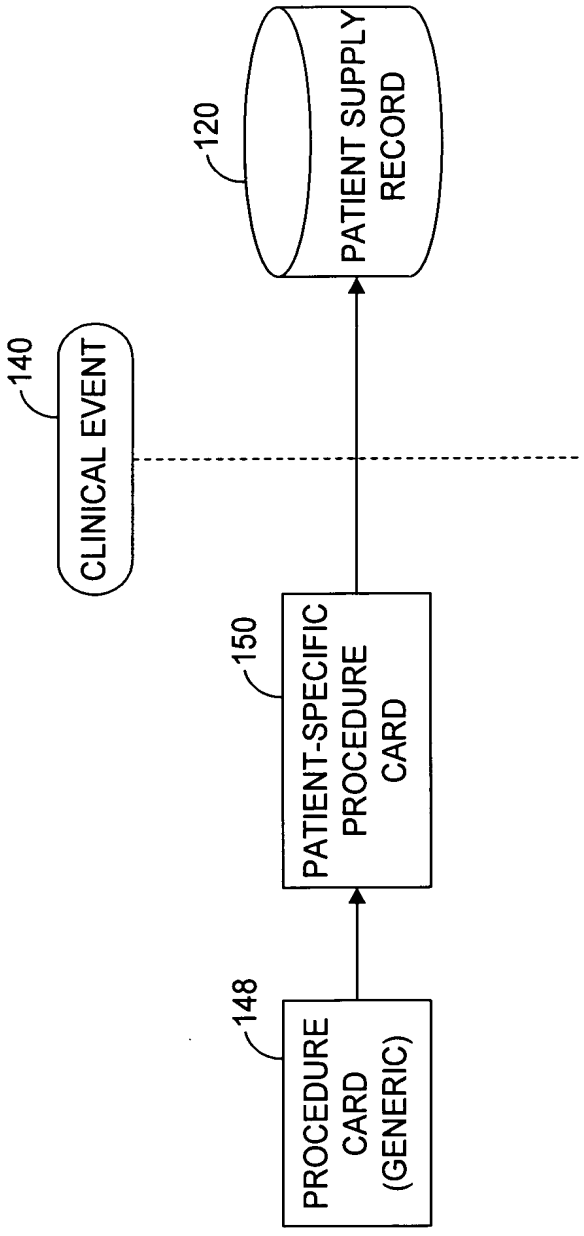
120
PATIENT SUPPLY RECORD
140
CLINICAL EVENT
150
PATIENT-SPECIFIC PROCEDURE CARD
148
PROCEDURE CARD (GENERIC)

FIG. 3

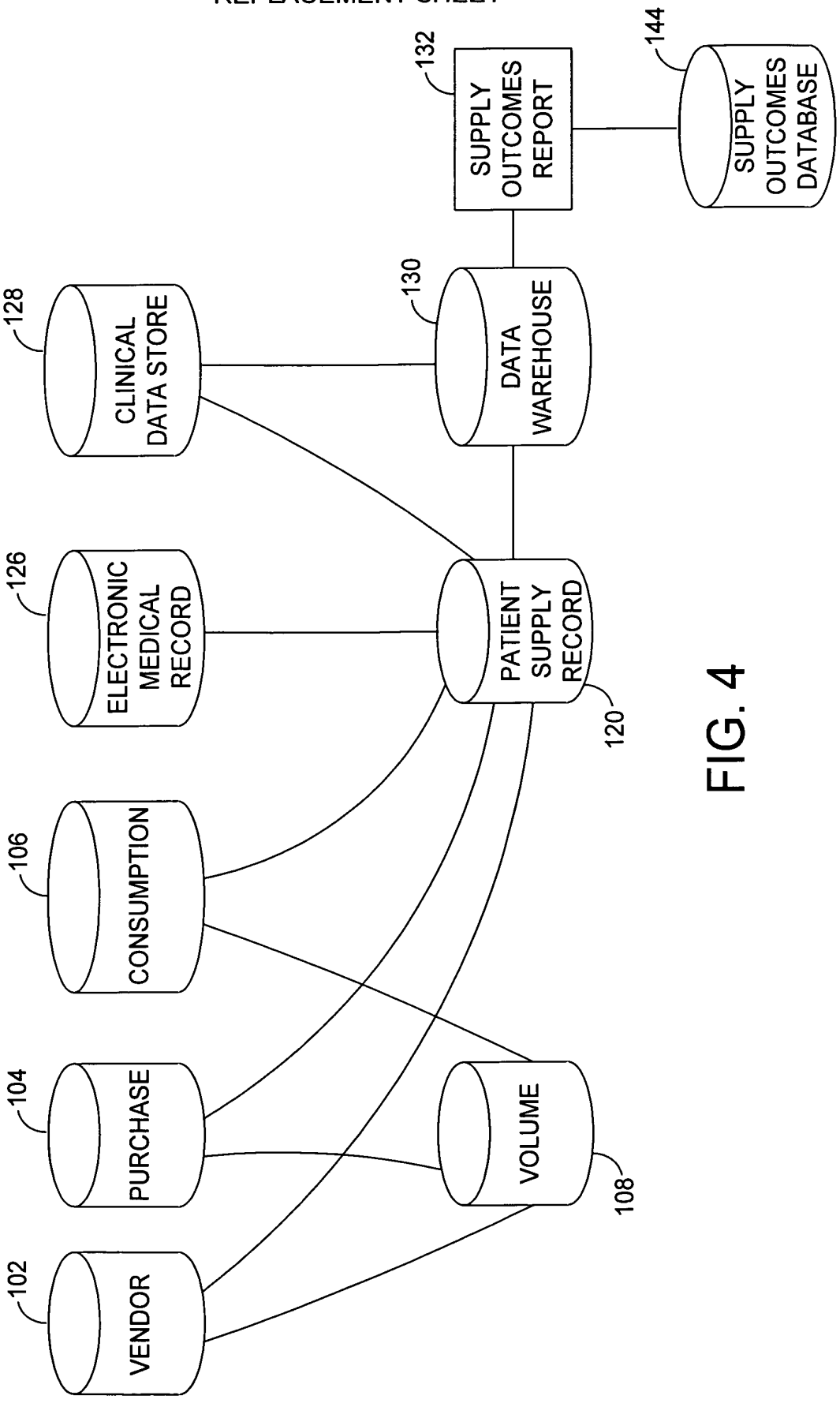
SUPPLY OUTCOMES REPORT
132
SUPPLY OUTCOMES DATABASE
144
CLINICAL DATA STORE
128
DATA WAREHOUSE
130
ELECTRONIC MEDICAL RECORD
126
PATIENT SUPPLY RECORD
120
CONSUMPTION
106
PURCHASE
104
VOLUME
108
VENDOR
102

FIG. 4

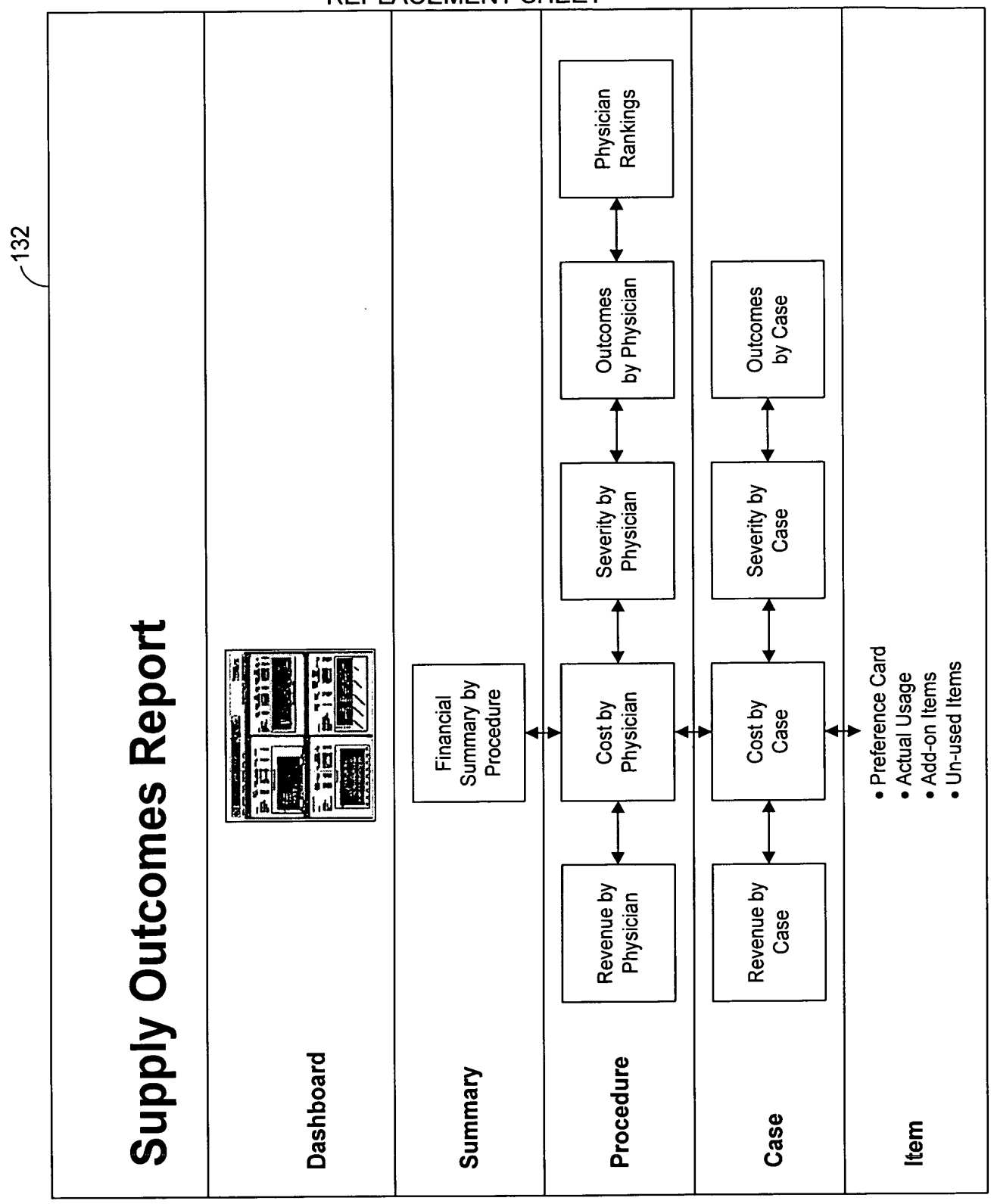
132
Supply Outcomes Report
Dashboard
Summary
Procedure
Case
Item
Financial Summary by Procedure
Cost by Physician
Revenue by Physician
Severity by Physician
Outcomes by Physician
Physician Rankings
Cost by Case
Revenue by Case
Severity by Case
Outcomes by Case
• Preference Card
• Actual Usage
• Add-on Items
• Un-used Items

FIG. 5

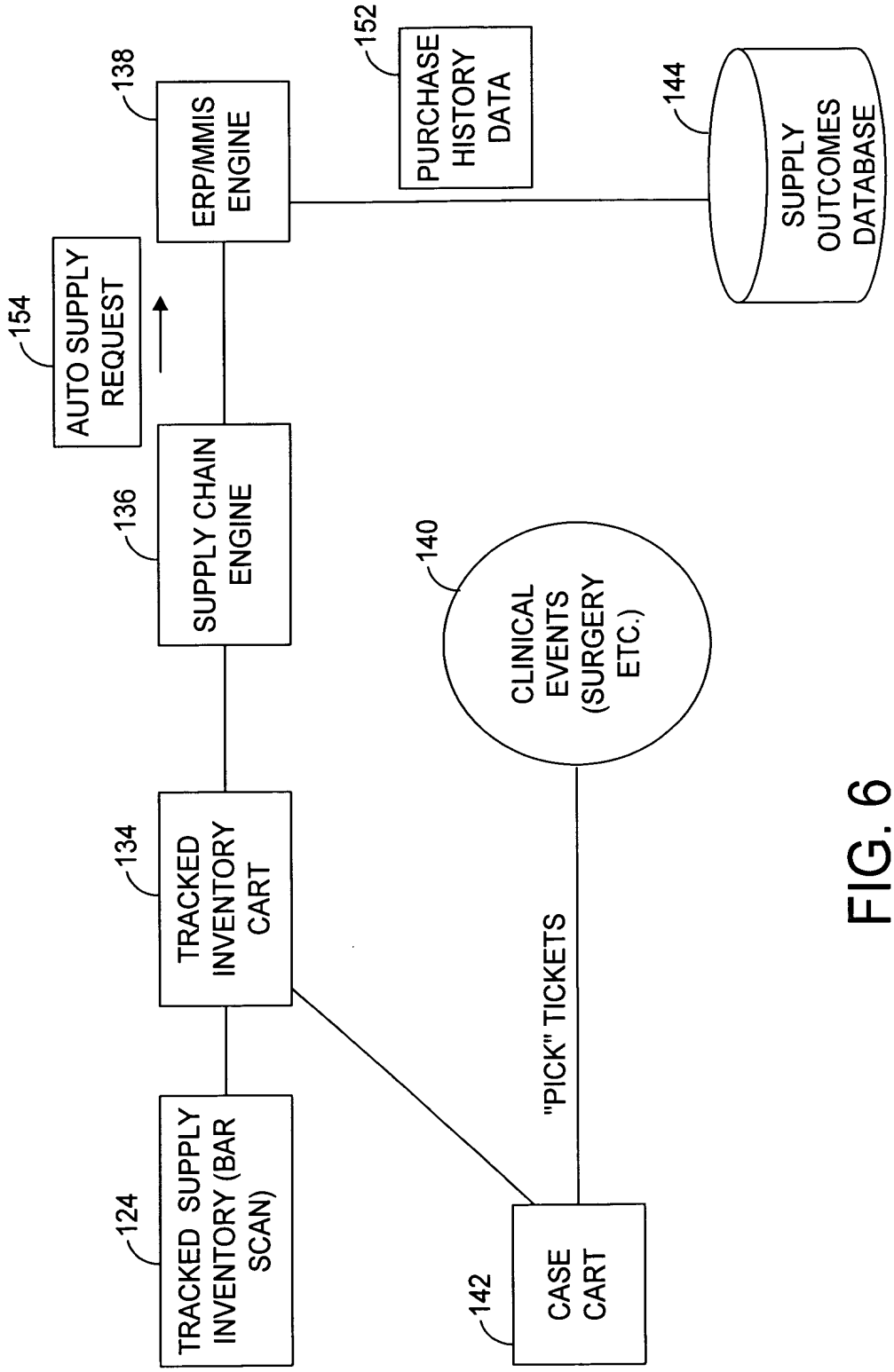
138
ERP/MMIS ENGINE
152
PURCHASE HISTORY DATA
144
SUPPLY OUTCOMES DATABASE
154
AUTO SUPPLY REQUEST
136
SUPPLY CHAIN ENGINE
140
CLINICAL EVENTS (SURGERY ETC.)
134
TRACKED INVENTORY CART
"PICK" TICKETS
124
TRACKED SUPPLY INVENTORY (BAR SCAN)
142
CASE CART

FIG. 6

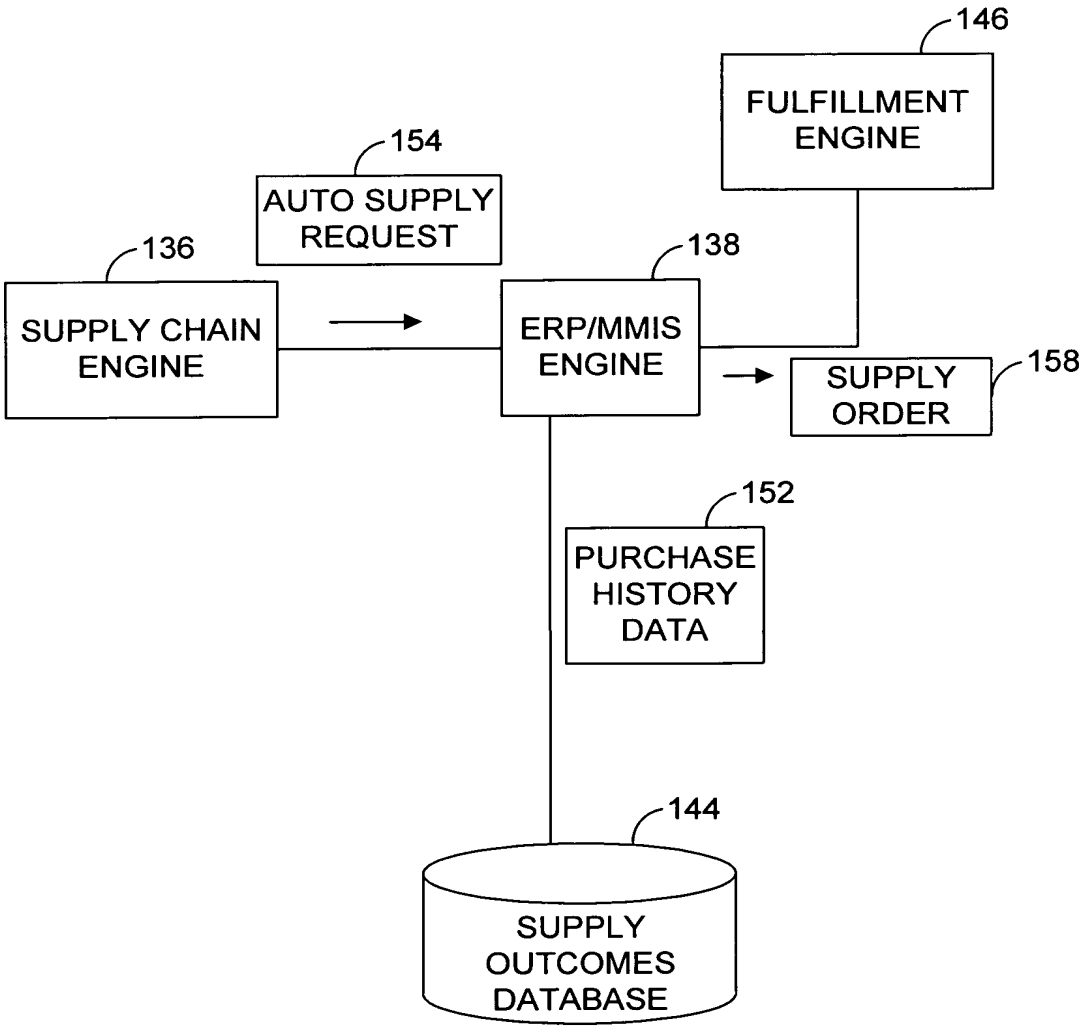
146
FULFILLMENT ENGINE
154
AUTO SUPPLY REQUEST
136
SUPPLY CHAIN ENGINE
138
ERP/MMIS ENGINE
158
SUPPLY ORDER
152
PURCHASE HISTORY DATA
144
SUPPLY OUTCOMES DATABASE

FIG. 7

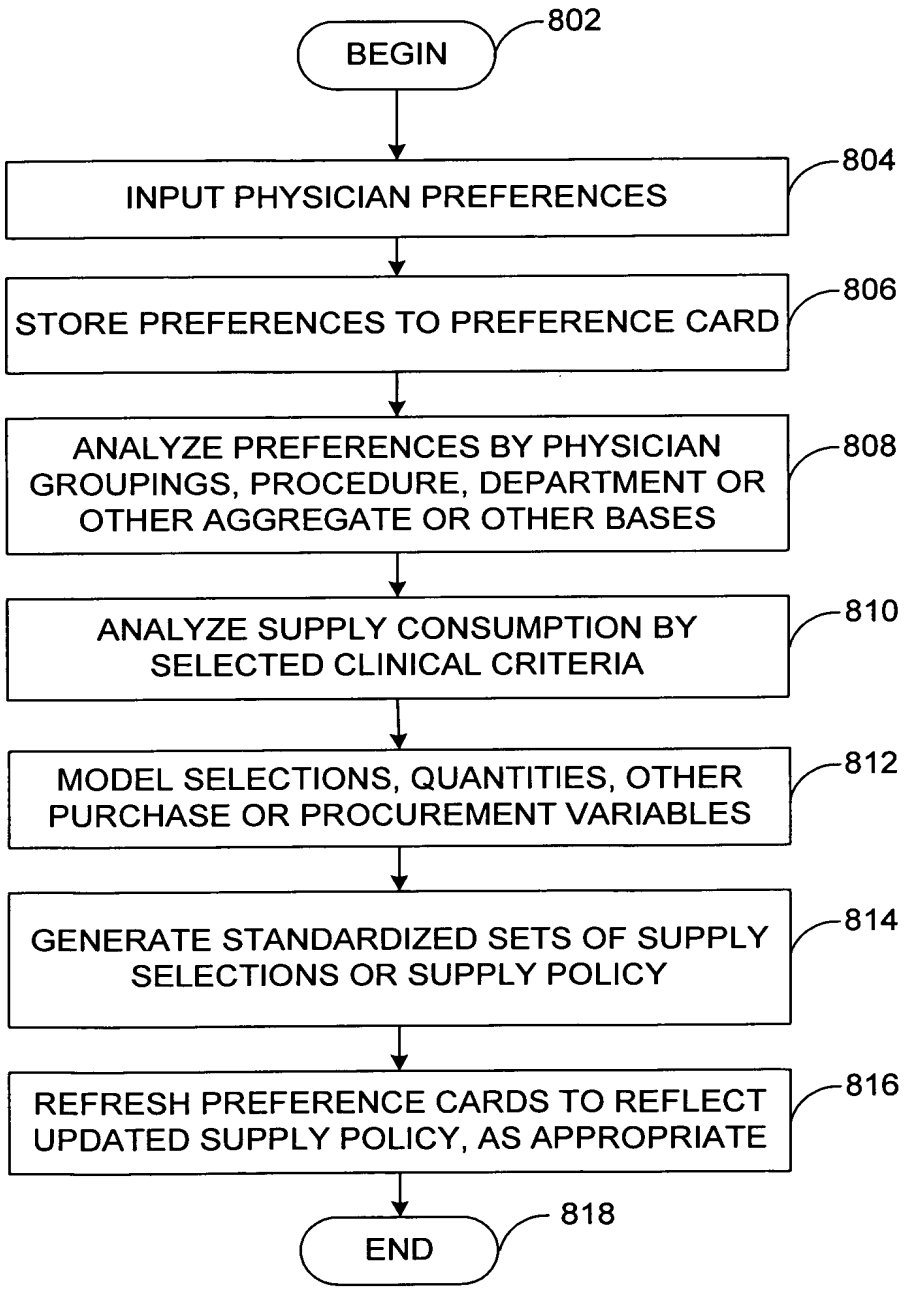
BEGIN
802
INPUT PHYSICIAN PREFERENCES
804
STORE PREFERENCES TO PREFERENCE CARD
806
ANALYZE PREFERENCES BY PHYSICIAN GROUPINGS, PROCEDURE, DEPARTMENT OR OTHER AGGREGATE OR OTHER BASES
808
ANALYZE SUPPLY CONSUMPTION BY SELECTED CLINICAL CRITERIA
810
MODEL SELECTIONS, QUANTITIES, OTHER PURCHASE OR PROCUREMENT VARIABLES
812
GENERATE STANDARDIZED SETS OF SUPPLY SELECTIONS OR SUPPLY POLICY
814
REFRESH PREFERENCE CARDS TO REFLECT UPDATED SUPPLY POLICY, AS APPROPRIATE
816
END
818

FIG. 8

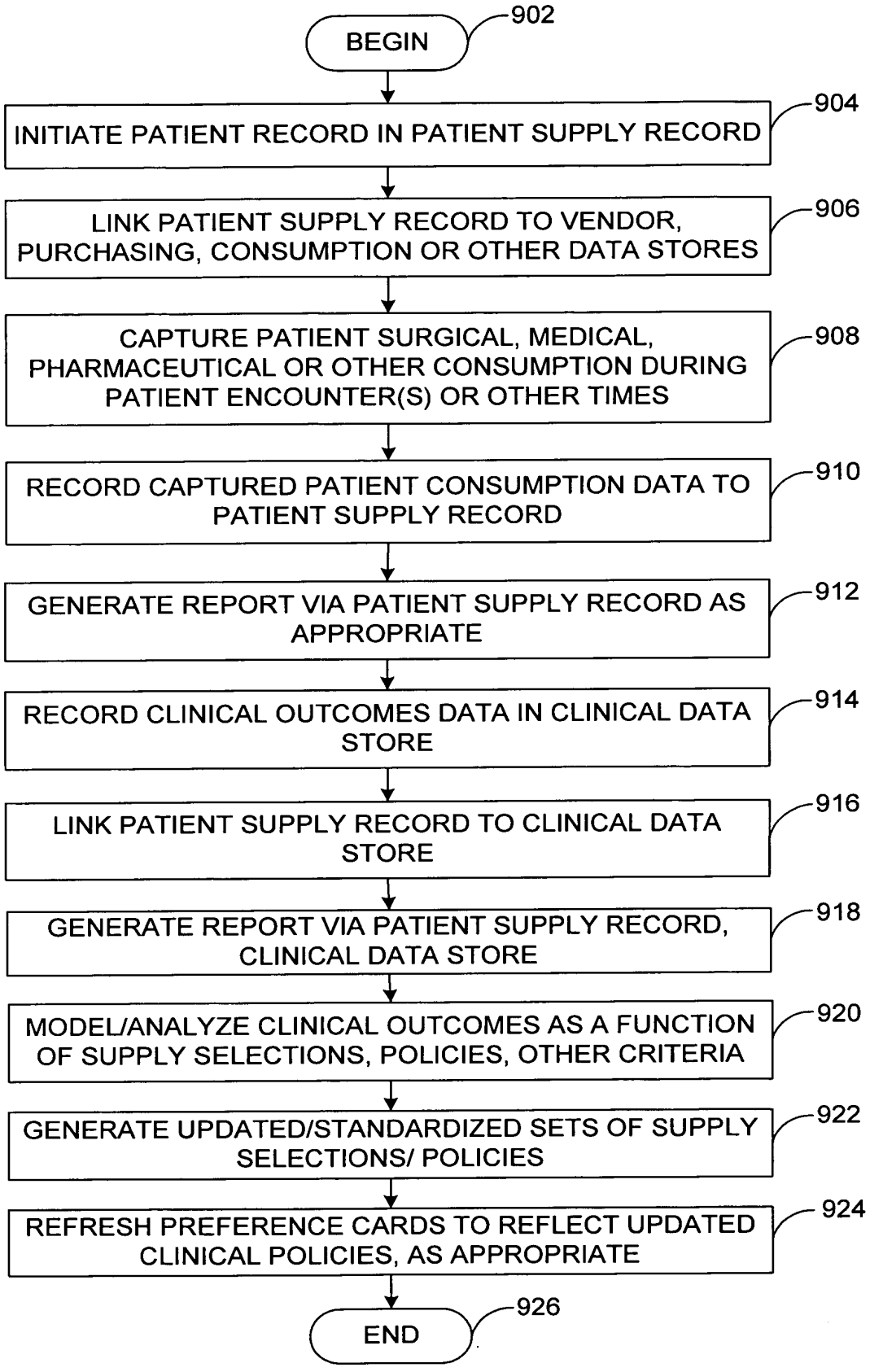
BEGIN
902
INITIATE PATIENT RECORD IN PATIENT SUPPLY RECORD
904
LINK PATIENT SUPPLY RECORD TO VENDOR, PURCHASING, CONSUMPTION OR OTHER DATA STORES
906
CAPTURE PATIENT SURGICAL, MEDICAL, PHARMACEUTICAL OR OTHER CONSUMPTION DURING PATIENT ENCOUNTER(S) OR OTHER TIMES
908
RECORD CAPTURED PATIENT CONSUMPTION DATA TO PATIENT SUPPLY RECORD
910
GENERATE REPORT VIA PATIENT SUPPLY RECORD AS APPROPRIATE
912
RECORD CLINICAL OUTCOMES DATA IN CLINICAL DATA STORE
914
LINK PATIENT SUPPLY RECORD TO CLINICAL DATA STORE
916
GENERATE REPORT VIA PATIENT SUPPLY RECORD, CLINICAL DATA STORE
918
MODEL/ANALYZE CLINICAL OUTCOMES AS A FUNCTION OF SUPPLY SELECTIONS, POLICIES, OTHER CRITERIA
920
GENERATE UPDATED/STANDARDIZED SETS OF SUPPLY SELECTIONS/ POLICIES
922
REFRESH PREFERENCE CARDS TO REFLECT UPDATED CLINICAL POLICIES, AS APPROPRIATE
924
END
926

FIG. 9

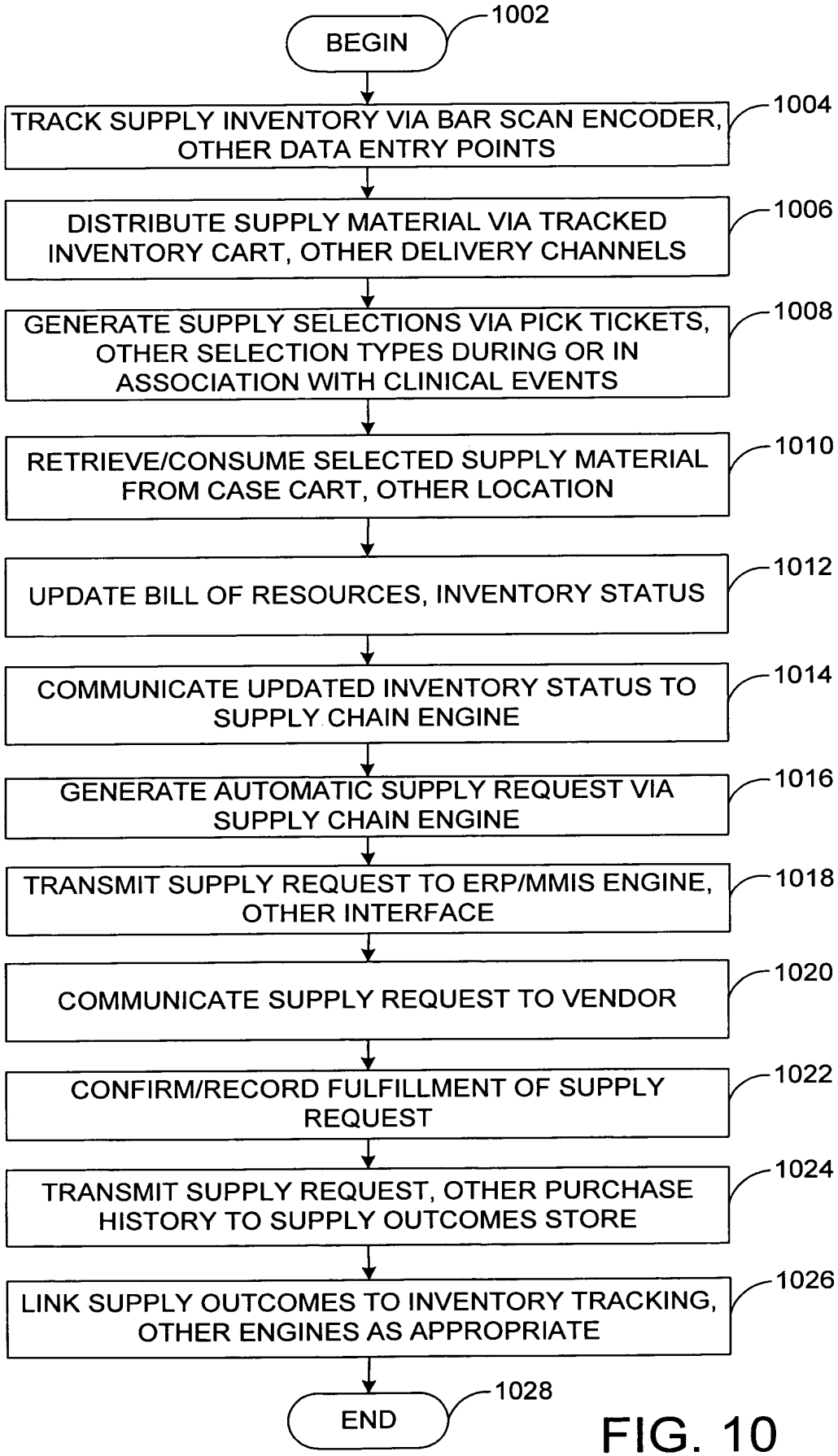
BEGIN
1002
TRACK SUPPLY INVENTORY VIA BAR SCAN ENCODER, OTHER DATA ENTRY POINTS
1004
DISTRIBUTE SUPPLY MATERIAL VIA TRACKED INVENTORY CART, OTHER DELIVERY CHANNELS
1006
GENERATE SUPPLY SELECTIONS VIA PICK TICKETS, OTHER SELECTION TYPES DURING OR IN ASSOCIATION WITH CLINICAL EVENTS
1008
RETRIEVE/CONSUME SELECTED SUPPLY MATERIAL FROM CASE CART, OTHER LOCATION
1010
UPDATE BILL OF RESOURCES, INVENTORY STATUS
1012
COMMUNICATE UPDATED INVENTORY STATUS TO SUPPLY CHAIN ENGINE
1014
GENERATE AUTOMATIC SUPPLY REQUEST VIA SUPPLY CHAIN ENGINE
1016
TRANSMIT SUPPLY REQUEST TO ERP/MMIS ENGINE, OTHER INTERFACE
1018
COMMUNICATE SUPPLY REQUEST TO VENDOR
1020
CONFIRM/RECORD FULFILLMENT OF SUPPLY REQUEST
1022
TRANSMIT SUPPLY REQUEST, OTHER PURCHASE HISTORY TO SUPPLY OUTCOMES STORE
1024
LINK SUPPLY OUTCOMES TO INVENTORY TRACKING, OTHER ENGINES AS APPROPRIATE
1026
END
1028

FIG. 10